Title (en)
FREQUENCY PROCESSING OF AN RR SERIES IN AN ANALOGUE CARDIAC SIGNAL

Title (de)
FREQUENZVERARBEITUNG EINER RR-SERIE EINES ANALOGEN HERZSIGNALS

Title (fr)
TRAITEMENT FREQUENTIEL D'UNE SERIE RR DANS UN SIGNAL CARDIAQUE ANALOGIQUE

Publication
EP 1513444 B1 20150318 (FR)

Application
EP 03740631 A 20030416

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• FR 0206676 A 20020531

Abstract (en)
[origin: WO03101291A1] The RR series, comprising a number of samples respectively defining the time interval between two successive heartbeats, is filtered by means of a digital band-pass filter (Fk), having a given band-pass [fc; f'c] and preferably by means of a recursive elective filter (RII). A variability index (Ik) is calculated which is a function of the instantaneous amplitude [vs(n)] of the discrete signal (Sk) coming from said bandpass filter. The variability index (Ik) is preferably a function of and particularly equal to the effective value of the discrete signal (Sk) from the bandpass filter.

IPC 8 full level
A61B 5/364 (2021.01)

CPC (source: EP US)
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DOCDB simple family (publication)
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